

Arkema Group Rilsan® BECN P20 TL Nylon 11 (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11, Unreinforced

Material Notes:

ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BECN-P20-TL-Nylon-11-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Melt Flow	11.9 g/10 min	11.9 g/10 min	
	@Load 2.16 kg, Temperature 235 °C	@Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	20 %	20 %	50 mm/min
Tensile Modulus	0.525 GPa	76.1 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	120 µm/m-°C	66.7 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	183 °C	361 °F	(Dry)
Deflection Temperature at 0.46 MPa (66 psi)	135 °C	275 °F	
Deflection Temperature at 1.8 MPa (264 psi)	47.0 °C	117 °F	
Vicat Softening Point	146 °C	295 °F	50°C/hr; 50N
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.10 mm	@Thickness 0.122 in	

Electrical Properties	Metric	English	Comments
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Electrical Resistivity Electrical Properties	1.00e+12 ohm-cm Metric	1.00e+12 ohm-cm English	Comments
Surface Resistance	2.00e+12 ohm	2.00e+12 ohm	
Dielectric Strength	26.0 kV/mm	660 kV/in	
Comparative Tracking Index	600 V	600 V	

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